

## ===== WPI =====

TI - Paint composition - comprises ethylene glycol di:glycidyl ether and/or polyethylene glycol di:glycidyl ether, colloidal silica dispersed or stabilised in polar organic solvent or water and vinyl]-based polymer

AB - J10324842 A paint composition consists of: (a) 100 wt. pts. of ethylene glycol diglycidyl ether and/or polyethylene glycol diglycidyl ether having a wt. average mol. wt. of up to 2,000; (b) 20-250 wt. pts. (by silica content conversion) of colloidal silica dispersed/stabilised in a polar organic solvent or in water in an acid area; and (c) 1-50 wt. pts. of a vinyl-based polymer having a glass transition temp. of up to 60 (pref. 30) deg. C.

- USE - The paint is partic. suitable for outdoor use.

- ADVANTAGE - The compsn. provides a coat film of excellent hydrophilic, antifouling, substrate-adhesive and weather resisting properties.

- (Dwg.0/0)

PN - JP10324842 A 19981208 DW199908 C09D163/00 005pp

PR - JP19970136646 19970527

PA - (SEKI ) SEKISUI CHEM IND CO LTD

MC - A05-A03 A08-R06A A10-E08A A12-B01L A12-B01X G02-A02B2 G02-A02G

DC - A25 A82 G02

IC - C08K7/00 ;C08L63/00 ;C09D163/00 ;C09D171/02

AN - 1999-090203 [08]

## ===== PAJ =====

TI - COATING COMPOSITION

AB - PROBLEM TO BE SOLVED: To obtain a composition which can give a coating film excellent in initial hydrophilicity, stainproofness, adhesion to substrates and weathering resistance by including ethylene glycol diglycidyl ether, colloidal silica stably dispersed in water in an acidic region and a vinyl polymer having a specified glass transition point in specified amounts.

- SOLUTION: This composition comprises 100 pts.wt. ethylene glycol diglycidyl ether and/or polyethylene glycol diglycidyl ether having a weight - average molecular weight of 2,000 or below, 20-250 pts.wt. colloidal silica desirably having a mean particle diameter of 5-200 nm and stably dispersed in water in an acidic region of, say, a pH of 2-4 or in a polar organic solvent (e.g. isopropanol) and 1-50 pts.wt. vinyl polymer (e.g. 2-2-acryloyloxyethylsuccinic acid polymer) having a glass transition point of 60 deg.C or below, desirably 30 deg.C or below.

PN - JP10324842 A 19981208

PD - 1998-12-08

ABD - 19990331

ABV - 199903

AP - JP19970136646 19970527

PA - SEKISUI CHEM CO LTD

IN - EGUCHI YUJI;OTSUKA KENJI

I - C09D163/00 ;C08K7/00 ;C08L63/00 ;C09D171/02

C - C08L63/00 C08L33/06